Appendix E: Future Forest Condition

Disclaimer: Portions of this report were not available in their final electronic version. In some cases, missing sections were scanned. In other cases, modified draft versions, which look slightly different from the original print versions, were substituted. Although the formatting may look different from the print version of this report, in no case were the data changed in any way.

Appendix E

FUTURE

FOREST

CONDITIONS

Westside excluding OESF

Westside including OESF

Central Region

Northwest Region

Olympic Region - including OESF

Olympic Experimental State Forest

South Puget Sound Region

Southwest Region

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

WESTSIDE HCP PLANNING UNITS (EXCLUDING OESF)

FUTURE FOREST CONDITIONS (1)

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of September 1996

Stand Stage (2)	Baseline Condition (3)January 1997		Present Condition (4) June 30, 1999		HCP/SH @ 10 years (5)		HCP/SH @ 20 years (5)		HCP/SH @ 30 years (5)		HCP/SH @ 40 years (5)		HCP/SH @ 50 years (5)		HCP/SH @ 60 years (5)		HCP/SH @ 70 years (5)		HCP/SH @ 100 years (5)		HCP objectives @ 100 year, westside excluding OESF
	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	
Open (0-10 years)	93,767	9%	99,850	9%	115,929	10%	139,366	12%	128,585	11%	114,450	10%	111,422	10%	112,219	10%	126,557	11%	115,947	10%	5-10%
Regeneration (10-20 years)	135,601	11%	132,333	11%	139,325	12%	124,251	11%	144,408	12%	134,037	11%	122,784	11%	122,652	11%	124,386	11%	123,360	11%	5-15%
Pole (20-40 years)	184,564	15%	193,469	17%	213,015	18%	258,251	22%	263,576	23%	268,659	23%	278,445	24%	256,821	22%	254,436	22%	271,898	23%	15-25%
Closed (40-70 years)	539,019	45%	528,869	45%	437,670	37%	324,431	28%	305,323	26%	351,291	30%	361,803	31%	375,644	32%	36,129	31%	346,949	30%	25-35%
Complex (at least 70 years)	222,757	19%	215,659	18%	262,165	22%	321,805	28%	326,212	28%	299,664	26%	293,649	25%	300,766	26%	311,593	27%	309,947	27%	25-35%
[Fully Functional 150+ years, included in Complex stand stage]	[39,306]	[3%]	[32,748]	[3%]	[46,771]	[4%]	[48,735]	[4%]	[50,815]	[4%]	[55,579]	[5%]	[59,501]	[5%]	[64,161]	[6%]	[74,801]	[6%]	[163,535]	[14%]	at least 150 years 10-15%
TOTAL AREA [acres]	1,175,708	99%	1,170,180	100%	1,168,104	99%	1,168,104	101%	1,168,104	100%	1,168,101	100%	1,168,103	101%	1,168,102	101%	1,168,101	102%	1,168,101	101%	75%-120%

(1) Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

(2) Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

(3) Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

(4) Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

(5) HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS).

Note: HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

WESTSIDE HCP PLANNING UNITS (INCLUDING OESF)

FUTURE FOREST CONDITIONS {1}

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of September 1996

Stand Stage {2}	Baseline Condition {3} January 1997		Present Condition {4} June 30, 1999		HCP/SH @ 10 years {5}		HCP/SH @ 20 years {5}		HCP/SH @ 30 years {5}		HCP/SH @ 40 years {5}		HCP/SH @ 50 years {5}		HCP/SH @ 60 years {5}		HCP/SH @ 70 years {5}		HCP/SH @ 100 years {5}	
	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	area [acres]	% of total area	total westside area [acres]	% of total westside acres
Open (0-10 years)	112,659	8%	119,306	8%	119,823	8%	148,657	10%	137,062	10%	142,012	10%	139,621	10%	139,584	10%	147,763	10%	136,680	10%
Regeneration (10-20 years)	195,203	14%	192,696	13%	171,374	12%	128,362	9%	154,139	11%	141,927	10%	148,120	10%	149,169	10%	149,508	10%	141,015	10%
Pole (20-40 years)	270,648	19%	279,805	20%	329,736	23%	353,842	25%	299,736	21%	282,501	20%	296,066	21%	290,047	20%	297,289	21%	309,692	22%
Closed (40-70 years)	569,288	40%	558,131	39%	478,603	33%	411,001	29%	443,732	31%	498,461	35%	461,505	32%	421,535	29%	381,861	27%	423,924	30%
Complex (at least 70 years)	291,038	20%	279,702	20%	333,549	23%	391,224	27%	398,416	28%	368,185	26%	387,773	27%	432,751	30%	456,664	32%	421,775	29%
[150+ years, included in Complex stand stage]	[83,226]	[6%]	[75,119]	[5%]	[88,695]	[6%]	[91,436]	[6%]	[93,737]	[7%]	[97,979]	[7%]	[104,398]	[7%]	[108,659]	[8%]	[118,842]	[8%]	[213,852]	[15%]
TOTAL AREA [acres]	1,438,836	101%	1,432,830	100%	1,433,085	99%	1,433,086	100%	1,433,085	101%	1,433,086	101%	1,433,085	100%	1,433,086	99%	1,433,085	100%	1,433,086	101%

{1} Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

{2} Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

{3} Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

{4} Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

{5} HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS).

Note: HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

CENTRAL REGION

FUTURE FOREST CONDITIONS (1)

September 1996

Stand Stage (2)	Baseline Condition (3) January 1997		Present Condition (4) June 30, 1999		HCP/SH @ 10 years (5)		HCP/SH @ 20 years (5)		HCP/SH @ 30 years (5)		HCP/SH @ 40 years (5)		HCP/SH @ 50 years (5)		HCP/SH @ 60 years (5)		HCP/SH @ 70 years (5)		HCP/SH @ 100 years (5)		100 years: % of total westside stand stage acres in Central Region
	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	
Open (0-10 years)	25,015	9%	26,296	9%	41,342	14%	42,873	14%	38,541	13%	32,491	11%	35,579	12%	34,577	12%	39,112	13%	34,438	11%	2%
Regeneration (10-20 years)	37,511	13%	35,027	12%	41,787	14%	42,685	14%	43,972	15%	39,417	13%	34,280	11%	37,754	13%	36,143	12%	37,421	12%	3%
Pole (20-40 years)	45,016	15%	45,673	16%	54,566	18%	73,907	25%	84,472	28%	86,657	29%	83,389	28%	73,697	25%	72,033	24%	79,491	26%	6%
Closed (40-70 years)	153,418	52%	151,987	53%	133,365	44%	98,046	33%	85,587	29%	96,353	32%	102,688	34%	106,833	36%	101,254	34%	96,594	32%	7%
Complex (at least 70 years)	32,450	11%	30,342	11%	29,241	10%	42,790	14%	47,728	16%	45,382	15%	44,364	15%	47,441	16%	51,757	17%	52,358	17%	4%
Fully Functional (150+ years, included in Complex stand stage)	[1,016]	[0%]	[445]	[0%]	[2,158]	[1%]	[2,389]	[1%]	[2,468]	[1%]	[2,736]	[1%]	[2,961]	[1%]	[3,240]	[1%]	[4,036]	[1%]	[24,094]	[8%]	[2%]
TOTAL AREA (acres)	293,410	100%	288,324	101%	300,301	100%	300,301	100%	300,300	101%	300,300	100%	300,300	100%	300,302	102%	300,299	100%	300,302	98%	22%

(1) Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

(2) Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

(3) Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

(4) Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

(5) HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS).

Note: HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

NORTHWEST REGION

FUTURE FOREST CONDITIONS (1)

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of September 1996

Stand Stage (2)	Baseline Condition (3) January 1997		Present Condition (4) June 30, 1999		HCP/SH @ 10 years (5)		HCP/SH @ 20 years (5)		HCP/SH @ 30 years (5)		HCP/SH @ 40 years (5)		HCP/SH @ 50 years (5)		HCP/SH @ 60 years (5)		HCP/SH @ 70 years (5)		HCP/SH @ 100 years (5)		100 years: % of total westside stand stage acres in NW Region
	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	
Open (0-10 years)	32,361	9%	36,849	10%	29,028	8%	37,116	10%	32,863	9%	35,264	10%	32,658	9%	32,491	9%	33,682	9%	32,022	9%	2.2%
Regeneration (10-20 years)	43,978	12%	43,814	12%	48,208	14%	29,882	8%	36,884	10%	32,841	9%	36,148	10%	34,908	10%	35,327	10%	32,080	9%	2.2%
Pole (20-40 years)	53,807	15%	58,096	16%	59,467	17%	81,874	23%	78,090	22%	66,766	19%	69,725	20%	68,989	19%	71,056	20%	74,152	21%	5.2%
Closed (40-70 years)	152,080	42%	145,123	41%	110,658	31%	78,943	22%	83,497	24%	106,627	30%	106,879	30%	105,538	30%	93,630	26%	98,014	28%	6.8%
Complex (at least 70 years)	77,587	22%	74,388	21%	107,806	30%	127,350	36%	123,832	35%	113,667	32%	109,956	31%	113,238	32%	121,469	34%	118,896	33%	8.3%
(Fully Functional; 150+ years, included in Complex stand stage)	[28,922]	[8%]	[27,455]	[8%]	[30,052]	[8%]	[31,434]	[9%]	[32,825]	[9%]	[36,074]	[10%]	[37,856]	[11%]	[38,579]	[11%]	[40,112]	[11%]	[68,079]	[19%]	[4.8%]
TOTAL AREA (acres)	359,813	100%	357,279	100%	355,165	100%	355,165	99%	355,166	100%	355,165	100%	355,166	100%	355,164	100%	355,164	99%	355,164	100%	27.4%

(1) Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

(2) Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

(3) Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

(4) Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

(5) HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS)

Note: HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

OLYMPIC REGION (INCLUDING OESF)

FUTURE FOREST CONDITIONS {1}

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of September 1996

Stand Stage {2}	Baseline Condition {3} January 1997		Present Condition {4} June 30, 1999		HCP/SH @ 10 years {5}		HCP/SH @ 20 years {5}		HCP/SH @ 30 years {5}		HCP/SH @ 40 years {5}		HCP/SH @ 50 years {5}		HCP/SH @ 60 years {5}		HCP/SH @ 70 years {5}		HCP/SH @ 100 years {5}		
	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	
Open (0-10 years)	31,645	4%	32,423	9%	9,592	3%	22,889	6%	20,808	6%	35,884	10%	35,958	10%	38,130	11%	31,175	9%	31,285	9%	
Regeneration (10-20 years)	73,419	21%	74,450	21%	48,117	13%	11,513	3%	24,330	7%	20,635	6%	34,544	10%	36,007	10%	38,524	11%	31,080	9%	
Pole (20-40 years)	96,371	28%	96,757	27%	134,423	37%	122,992	34%	59,630	16%	35,843	10%	44,965	12%	55,179	15%	70,551	20%	61,930	17%	4.3%
Closed (40-70 years)	62,144	18%	62,920	18%	61,138	17%	102,041	28%	159,038	44%	180,938	50%	134,505	37%	83,960	23%	56,477	16%	108,496	30%	7.6%
Complex (at least 70 years)	96,888	28%	92,968	26%	108,375	30%	102,210	28%	97,839	27%	88,345	24%	111,673	31%	148,368	41%	164,918	46%	128,854	36%	9.0%
[150+ years, included in Complex stand stage]	[44,787]	[12%]	[39,831]	[13%]	[43,523]	[12%]	[44,328]	[12%]	[44,874]	[12%]	[44,444]	[12%]	[47,343]	[13%]	[47,737]	[13%]	[48,183]	[13%]	[60,588]	[17%]	[4.2%]
TOTAL AREA [acres]	360,467	99%	359,518	100%	361,645	100%	361,645	99%	361,645	100%	361,645	100%	361,645	100%	361,644	100%	361,645	102%	361,645	101%	25.2%

{1} Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

{2} Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

{3} Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

{4} Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

{5} HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS)

Note: HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service (USFWS) & National Marine Fisheries Service (NMFS)

OLYMPIC EXPERIMENTAL STATE FOREST

FUTURE FOREST CONDITIONS (1)

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of September 1996

Stand Stage (2)	Baseline Condition (3) January 1997		Present Condition (4) June 30, 1999		HCP/SH @ 10 years (5)		HCP/SH @ 20 years (5)		HCP/SH @ 30 years (5)		HCP/SH @ 40 years (5)		HCP/SH @ 50 years (5)		HCP/SH @ 60 years(5)		HCP/SH @ 70 years (5)		HCP/SH @ 100 years (5)	
	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% of total OESF area	OESF area (acres)	% total westside acres in OESF
Open (0-10 years)	18,892	7%	19,456	7%	3,894	1%	9,291	4%	8,477	3%	27,563	10%	28,199	11%	27,364	10%	21,205	8%	20,734	1.5%
Regeneration (10-20 years)	59,602	23%	60,363	23%	32,049	12%	4,111	2%	9,731	4%	7,890	3%	25,336	10%	26,517	10%	25,123	9%	17,654	1.2%
Pole (20-40 years)	86,084	33%	86,336	33%	116,722	44%	95,591	36%	36,160	14%	13,842	5%	17,621	7%	33,226	13%	51,853	20%	37,793	2.6%
Closed (40-70 years)	30,269	12%	29,262	11%	48,653	18%	86,570	33%	138,410	52%	147,169	56%	99,702	38%	45,881	17%	21,732	8%	76,976	5.4%
Complex (at least 70 years)	68,281	25%	67,233	26%	63,666	24%	69,420	26%	72,205	27%	68,521	26%	84,126	36%	131,985	50%	145,071	55%	111,828	7.8%
Fully Functional (200+ years, included in Complex stand stage)	[4,634]	[2%]	[5,163]	[2%]	[41,117] (6)	[16%]	[40,710]	[15%]	[40,924]	[15%]	[40,088]	[15%]	[40,151]	[15%]	[40,188]	[15%]	[41,037]	[15%]	[41,912]	[2.9%]
TOTAL AREA (acres)	263,128	101%	262,650	100%	264,984	99%	264,983	101%	264,983	100%	264,985	100%	264,984	102%	264,983	100%	264,984	100%	264,985	18.5%

(1) Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

(2) Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

(3) Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

(4) Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals.

(5) HCP/SH information is the forest composition according to the September 1996 Sustainable Harvest calculation, incorporating the Habitat Conservation Plan. (Data Source: GIS- LULC/FRIS).

(6) Inventory age-class of 190 years was approximately 40,000 acres in 1996.

Note HCP/SH area figures include all lands included in the 1996 HCP sustainable harvest analysis [i.e., "off-base" as well as "on-base"].
HCP/SH % data is the % of decade's total acres.
Numbers may not add due to rounding.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

SOUTH PUGET SOUND REGION

FUTURE FOREST CONDITIONS {1}

															HCP/SH @ 60 years {5}		HCP/SH @ 70 years {5}		HCP/SH @ 100 years {5}		100 years: % of total westside stand stage acres in S. Puget Sd. Region
	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	
Open (0-10 years)	10,754	6%	10,770	6%	18,765	11%	19,388	11%	19,191	11%	16,201	9%	14,923	9%	14,073	8%	21,129	12%	17,655	10%	1.2%
Regeneration (10-20 years)	15,487	9%	15,204	8%	14,729	9%	21,527	13%	21,653	13%	21,933	13%	18,447	11%	17,803	10%	15,729	9%	16,999	10%	1.2%
Pole (20-40 years)	26,471	15%	26,946	15%	28,896	17%	30,636	18%	36,256	21%	43,180	25%	43,586	26%	40,380	24%	36,250	21%	42,764	25%	3.0%
Closed (40-70 years)	92,811	51%	93,054	52%	71,162	42%	41,494	24%	42,313	25%	43,624	30%	50,847	30%	56,791	33%	55,963	33%	51,759	30%	3.8%
Complex (at least 70 years)	34,772	19%	34,161	19%	37,009	22%	57,515	34%	51,144	30%	45,619	25%	42,754	25%	41,511	24%	41,489	24%	41,384	24%	2.9%
Fully Functional (150+ years, included in Complex stand stage)	[3,745]	[2%]	[3,718]	[2%]	[5,062]	[3%]	[5,483]	[3%]	[5,599]	[3%]	[6,093]	[4%]	[6,421]	[4%]	[8,137]	[5%]	[9,417]	[6%]	[23,615]	[14%]	[1.7%]
TOTAL AREA [acres]	180,295	100%	180,135	100%	170,561	101%	170,560	100%	170,557	100%	170,557	102%	170,557	101%	170,558	99%	170,560	99%	170,561	99%	11.9%

{1} Future Forest Conditions are identified as age-class designations in the sustainable harvest model. Future Forest Conditions are achieved over time through forest management activities. Forest management activities influence stand structure by integrating policies, issues, resources and uses. Management activities are subject to changes over time.

{2} Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

{3} Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

{4} Present Condition is the age-class inventory, as documented in the Geographic Information System in July 1999. (Data Source: GIS- LULC/FRIS). Land transactions, such as exchanges and sales, can change acreage totals. Land transactions during 1996 added acreage to SPS region in the Middle Fork Snoqualmie block, Enumclaw block, and to the King County trust.

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Washington State Department of Natural Resources

HCP ANNUAL REPORT TO THE SERVICES FY'99

US Fish and Wildlife Service & National Marine Fisheries Service

SOUTHWEST REGION

FUTURE FOREST CONDITIONS (1)

Fiscal year ending: June 30, 1999

Decadal Calculations: Sustainable Harvest Analysis of S

Stand Stage (2)	Baseline Condition January 1997 (3)		Present Condition (4) June 30, 1999		HCP/SH(5) 10 years (5)																
	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	region area [acres]	% of total region area	
Open (0-10 years)	12,686	5%	14,968	6%	21,098	9%	26,389	11%	25,659	10%	22,173	9%	20,503	8%	20,314	8%	22,664	9%	21,281	9%	1.5%
Regeneration (10-20 years)	24,606	10%	24,171	10%	18,533	8%	22,755	9%	27,300	11%	27,101	11%	24,701	10%	22,697	9%	23,785	10%	23,435	10%	1.6%
Pole (20-40 years)	48,982	20%	52,334	21%	52,365	21%	44,433	18%	41,289	17%	50,055	20%	54,401	22%	51,802	21%	47,398	19%	51,355	21%	3.6%
Closed (40-70 years)	108,835	44%	105,047	43%	102,281	42%	90,478	37%	73,297	30%	70,919	29%	66,787	27%	68,413	28%	74,537	30%	69,060	28%	4.8%
Complex (at least 70 years)	49,342	20%	47,834	20%	51,118	21%	61,361	25%	77,871	32%	75,168	31%	79,022	32%	82,189	33%	77,032	31%	80,284	33%	5.6%
[Fully Functional 150+ years, included in Complex stand stage]	[4,754]	[2%]	[4,667]	[2%]	[7,901]	[3%]	[7,804]	[3%]	[7,972]	[3%]	[8,633]	[4%]	[9,805]	[4%]	[10,987]	[4%]	[17,083]	[7%]	[37,476]	[15%]	[2.9%]
TOTAL AREA [acres]	244,853	99%	244,354	100%	245,415	101%	245,416	100%	245,416	100%	245,416	100%	245,416	99%	245,415	99%	245,416	99%	245,415	101.0%	17.1%

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(2) Stand stages and stand structure objectives for Future Forest Conditions are defined on page IV.180 of the Habitat Conservation Plan, 1996.

(3) Baseline Condition 1997 data source: Geographic Information System, Land Use Land Cover/Forest Resources Inventory System. The sustainable harvest calculation was based on June 1996 inventory data. Differences between data bases may reflect information system updates during 1996.

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3/11/00 Murphy PM